OIPE
AUG 0 8 2005
JC22
PATENT & TRADEMARK OFFICE

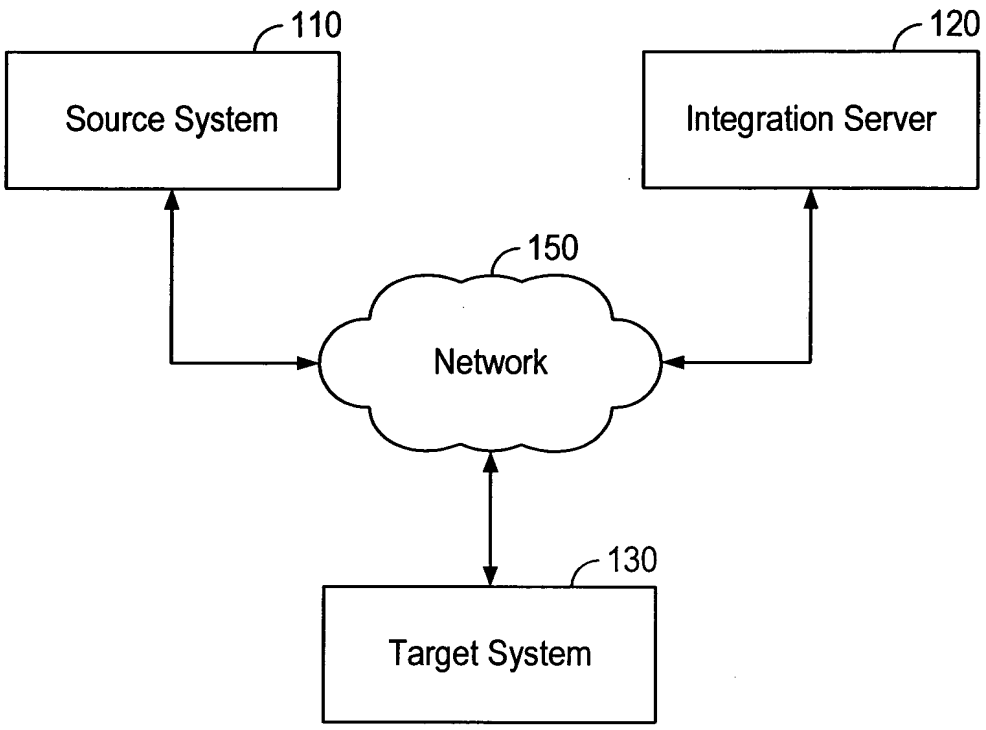

FIG. 1A

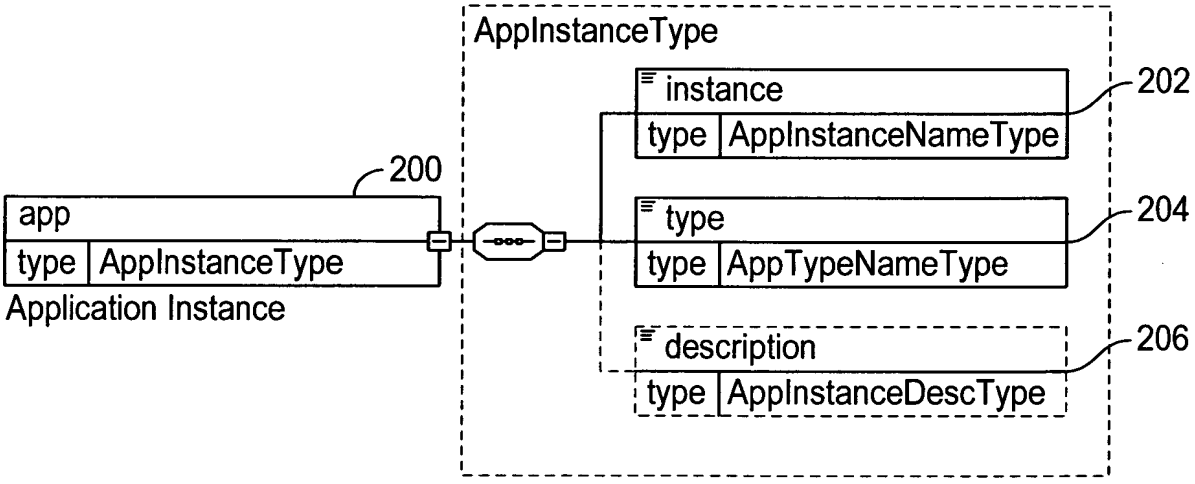

FIG. 2

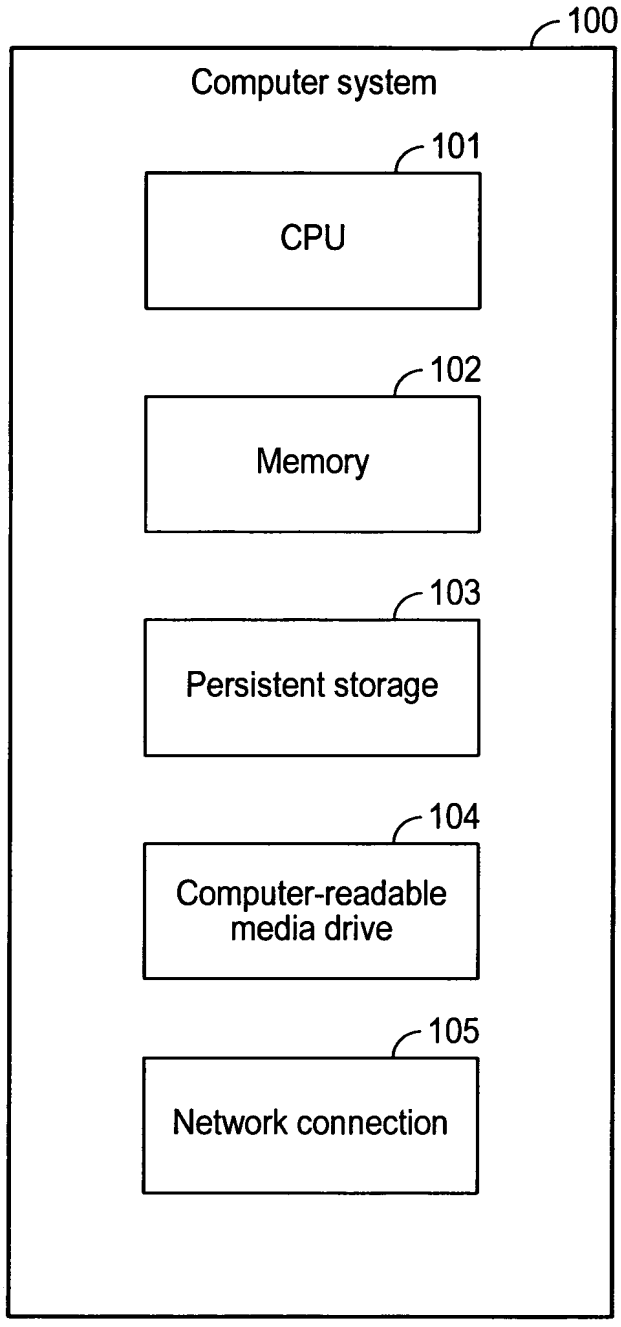
100
Computer system
101
CPU
102
Memory
103
Persistent storage
104
Computer-readable media drive
105
Network connection

FIG. 1B

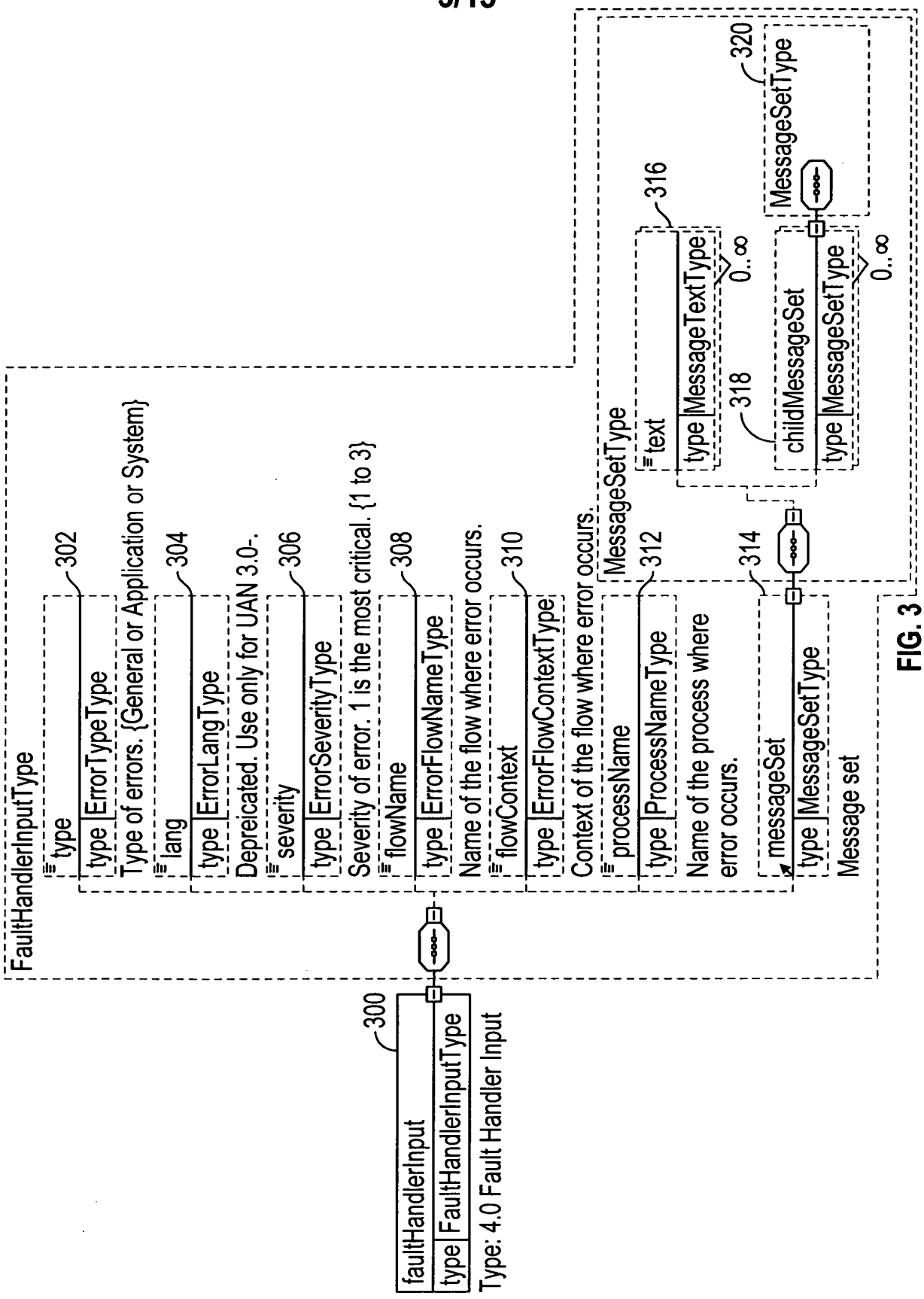
faultHandlerInput
type FaultHandlerInputType
Type: 4.0 Fault Handler Input
300
FaultHandlerInputType
type
type ErrorTypeType
Type of errors. {General or Application or System}
302
lang
type ErrorLangType
Depreicated. Use only for UAN 3.0-.
304
severity
type ErrorSeverityType
Severity of error. 1 is the most critical. {1 to 3}
306
flowName
type ErrorFlowNameType
Name of the flow where error occurs.
308
flowContext
type ErrorFlowContextType
Context of the flow where error occurs.
310
processName
type ProcessNameType
Name of the process where error occurs.
312
messageSet
type MessageSetType
Message set
314
MessageSetType
text
type MessageTextType
0..∞
316
childMessageSet
type MessageSetType
0..∞
318
MessageSetType
320

FIG. 3

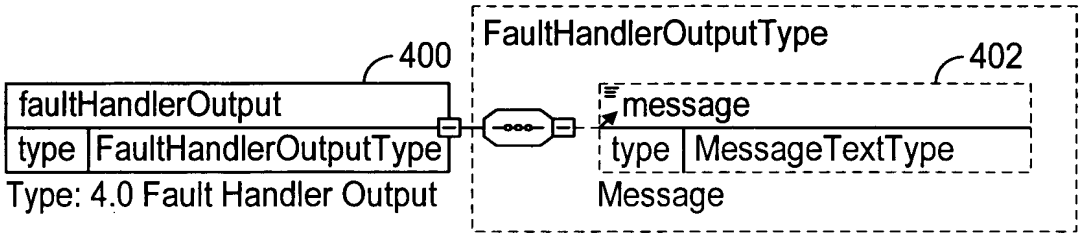
400
faultHandlerOutput
type
FaultHandlerOutputType
Type: 4.0 Fault Handler Output
FaultHandlerOutputType
402
message
type
MessageTextType
Message

FIG. 4

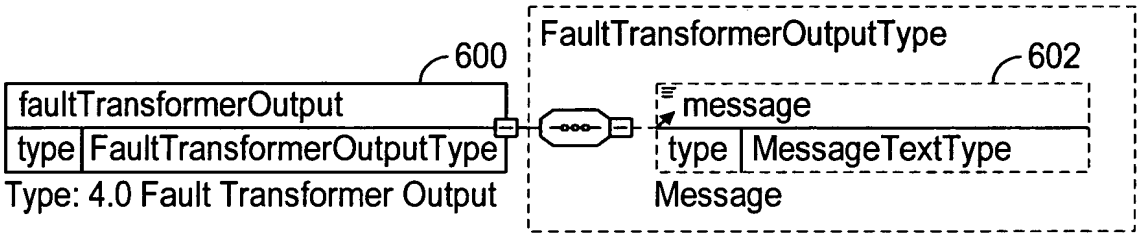
600
faultTransformerOutput
type
FaultTransformerOutputType
Type: 4.0 Fault Transformer Output
FaultTransformerOutputType
602
message
type
MessageTextType
Message

FIG. 6

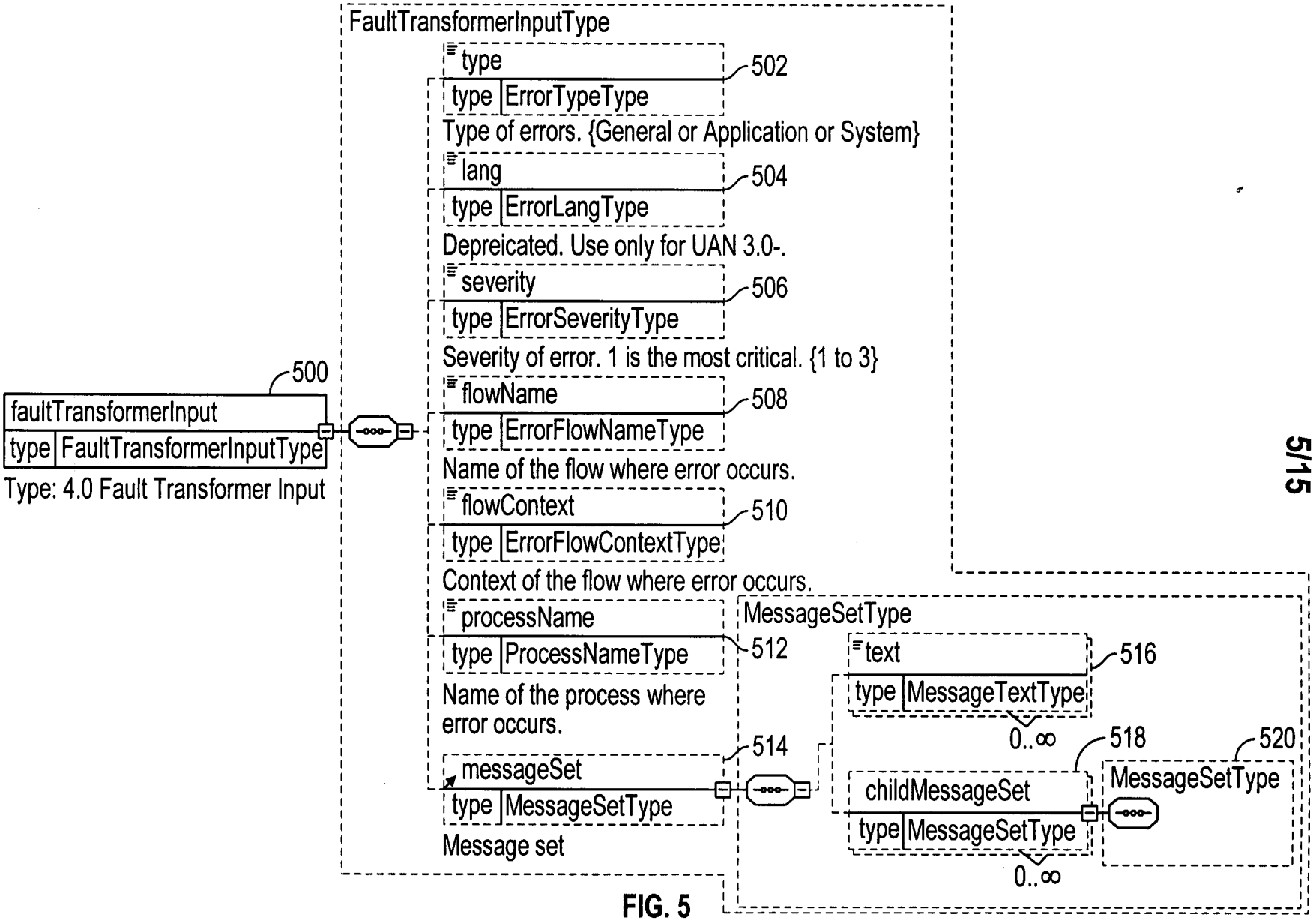
FaultTransformerInputType
type
type ErrorTypeType
502
Type of errors. {General or Application or System}
lang
type ErrorLangType
504
Depreicated. Use only for UAN 3.0-.
severity
type ErrorSeverityType
506
Severity of error. 1 is the most critical. {1 to 3}
500
faultTransformerInput
type FaultTransformerInputType
Type: 4.0 Fault Transformer Input
flowName
type ErrorFlowNameType
508
Name of the flow where error occurs.
flowContext
type ErrorFlowContextType
510
Context of the flow where error occurs.
processName
type ProcessNameType
512
Name of the process where error occurs.
messageSet
type MessageSetType
514
Message set
MessageSetType
text
type MessageTextType
516
0..∞
childMessageSet
type MessageSetType
518
0..∞
MessageSetType
520

FIG. 5

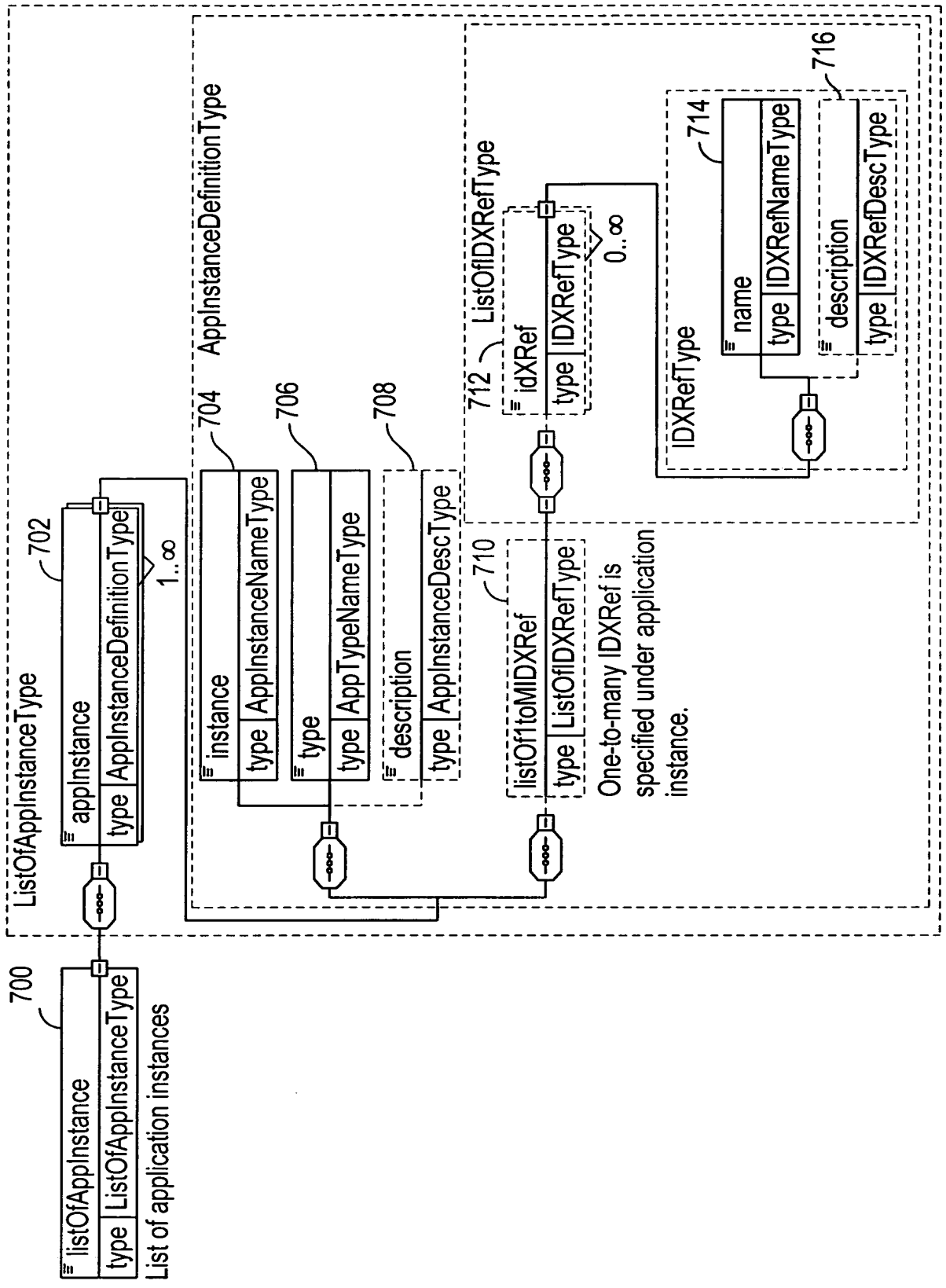
700
listOfAppInstance
type | ListOfAppInstanceType
List of application instances
ListOfAppInstanceType
702
appInstance
type | AppInstanceDefinitionType
1..∞
AppInstanceDefinitionType
704
instance
type | AppInstanceNameType
706
type
type | AppTypeNameType
708
description
type | AppInstanceDescType
710
listOf1toMIDXRef
type | ListOfIDXRefType
One-to-many IDXRef is specified under application instance.
712
ListOfIDXRefType
idXRef
type | IDXRefType
0..∞
IDXRefType
714
name
type | IDXRefNameType
716
description
type | IDXRefDescType

FIG. 7

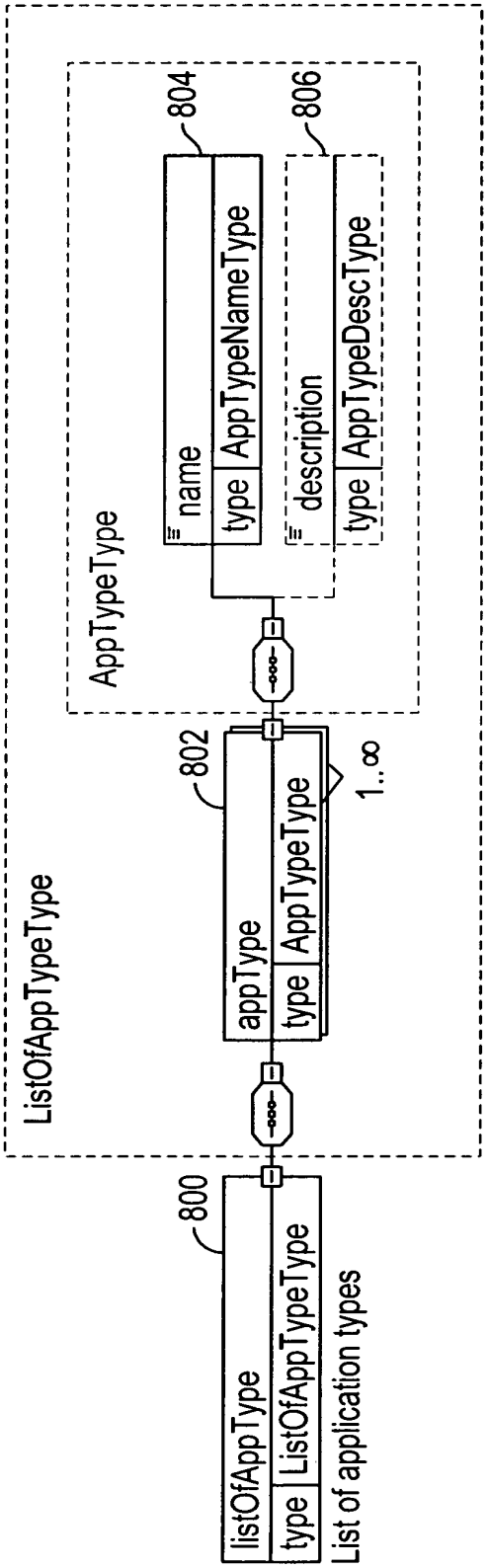
ListOfAppTypeType
AppTypeType
name
type
AppTypeNameType
description
type
AppTypeDescType
804
806
802
appType
type
AppTypeType
1..∞
800
listOfAppType
type
ListOfAppTypeType
List of application types

FIG. 8

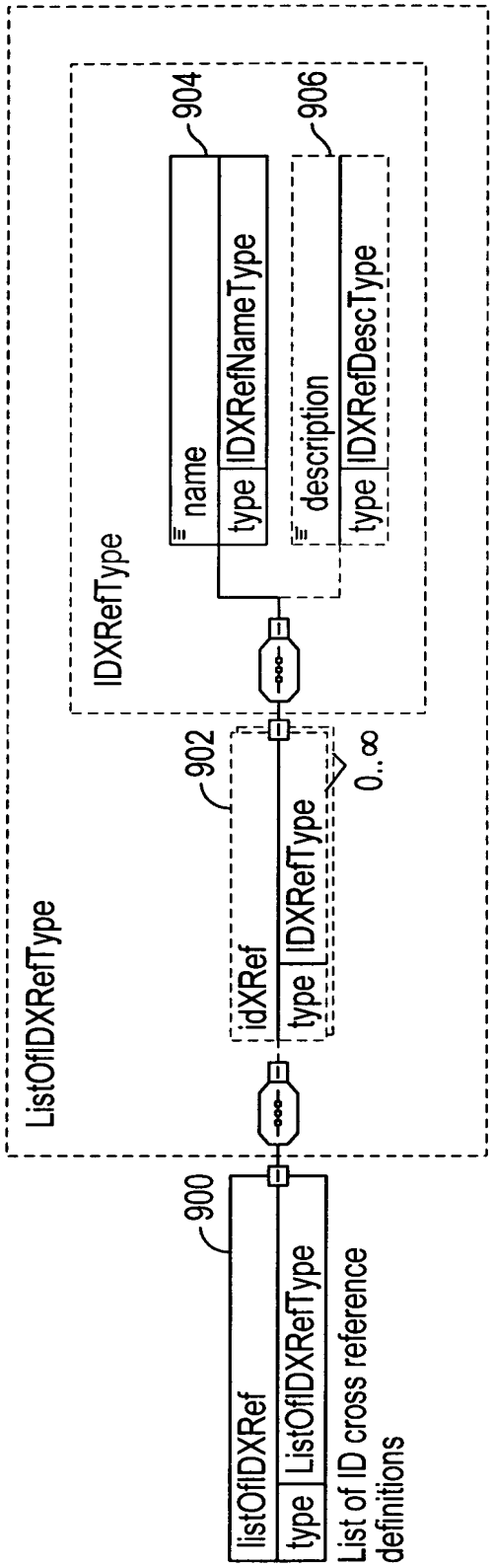
ListOfIDXRefType
IDXRefType
name
type
IDXRefNameType
description
type
IDXRefDescType
904
906
902
idXRef
type
IDXRefType
0..∞
900
listOfIDXRef
type
ListOfIDXRefType
List of ID cross reference definitions

FIG. 9

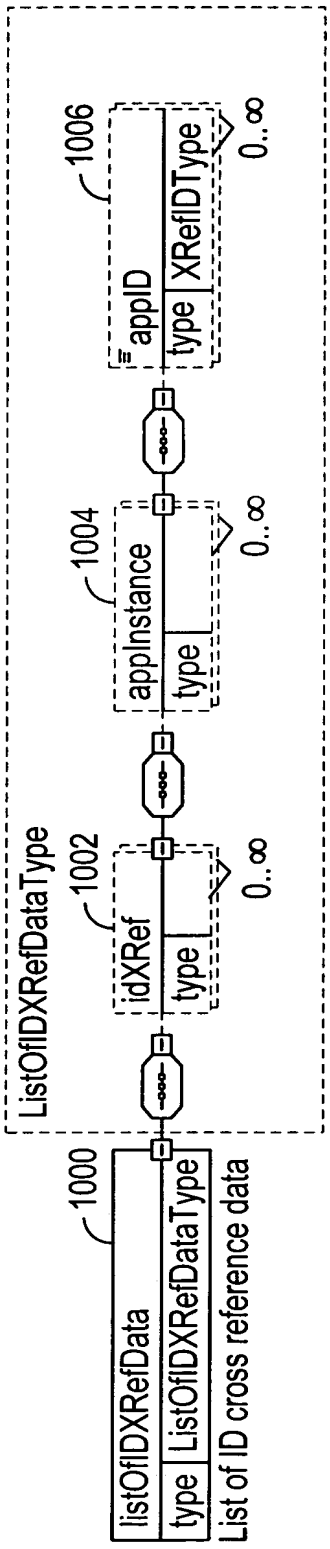
ListOfIDXRefDataType
1000
listOfIDXRefData
type
ListOfIDXRefDataType
List of ID cross reference data
1002
idXRef
type
0..∞
1004
appInstance
type
0..∞
1006
appID
type
XRefIDType
0..∞

FIG. 10

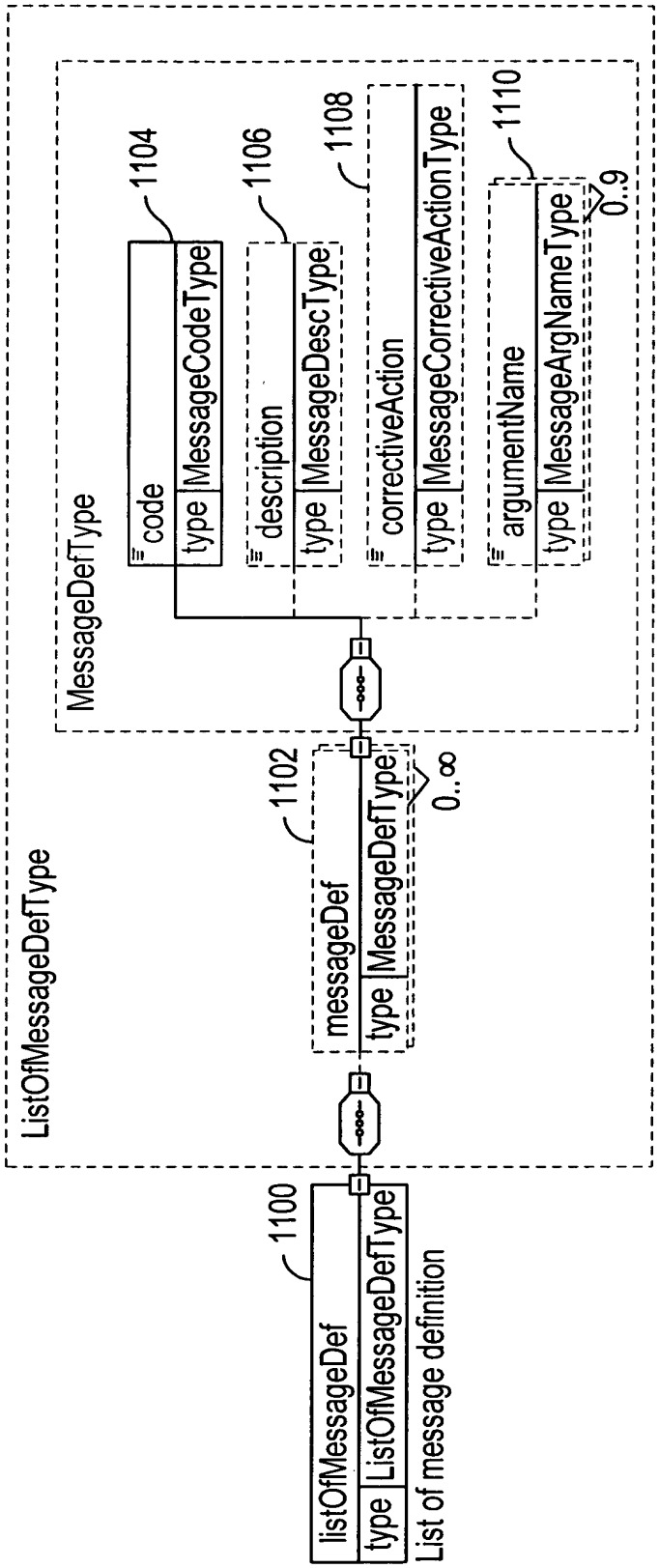
ListOfMessageDefType
1100
listOfMessageDef
type
ListOfMessageDefType
List of message definition
1102
messageDef
type
MessageDefType
0..∞
MessageDefType
1104
code
type
MessageCodeType
1106
description
type
MessageDescType
1108
correctiveAction
type
MessageCorrectiveActionType
1110
argumentName
type
MessageArgNameType
0..9

FIG. 11

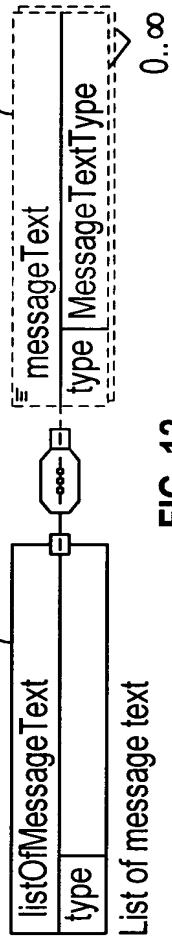

FIG. 12

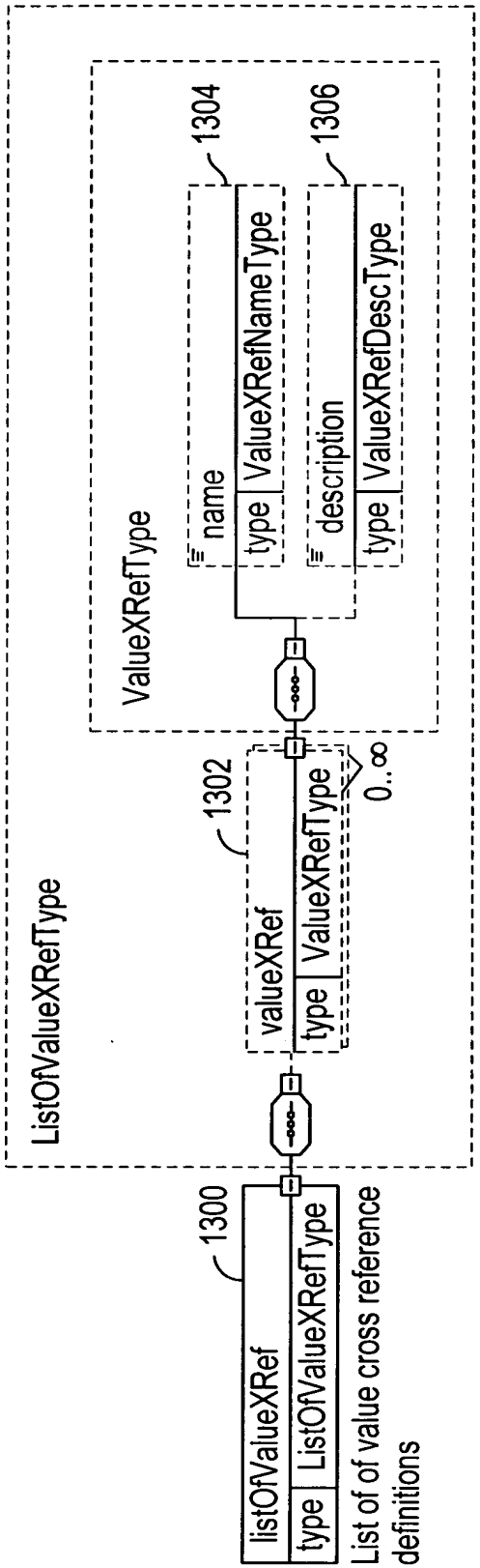

FIG. 13

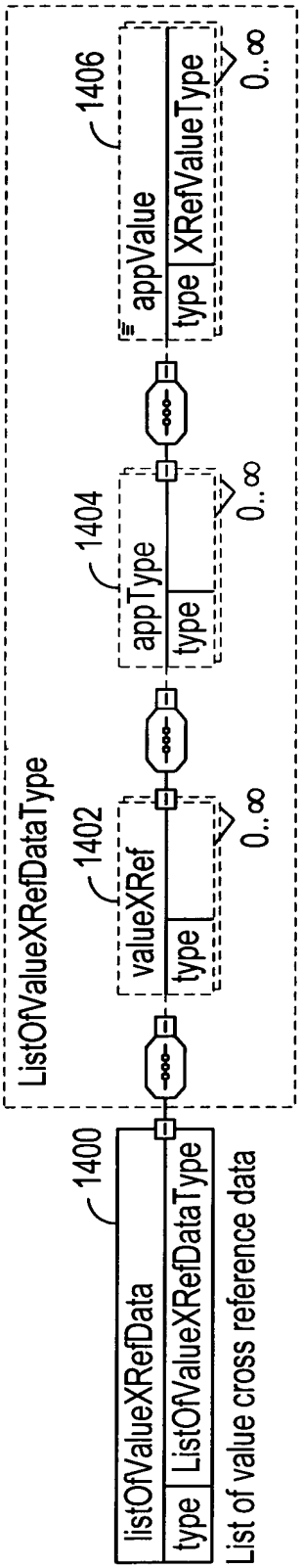

FIG. 14

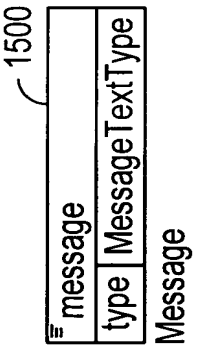
1500
message
type
MessageTextType
Message

FIG. 15

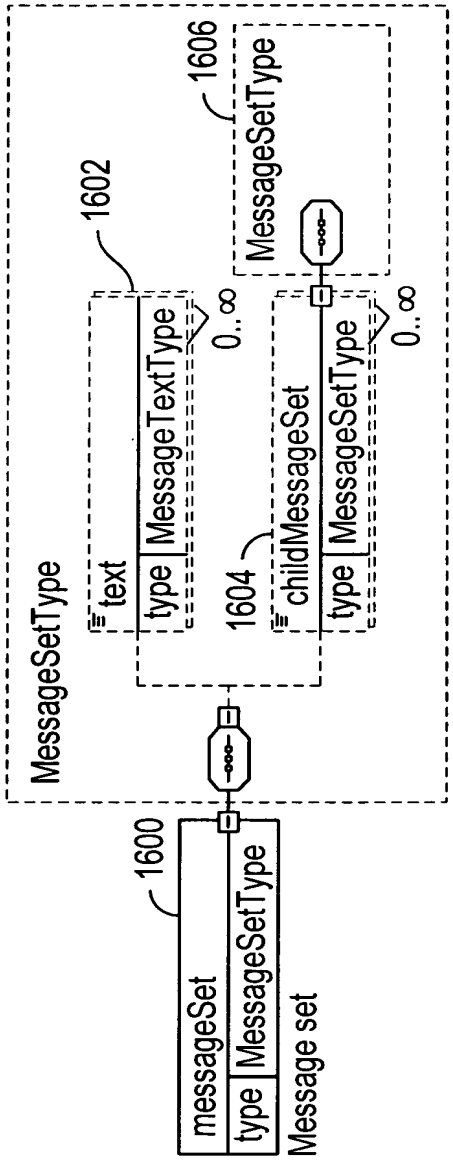
MessageSetType
1602
text
type
MessageTextType
0..∞
1606
MessageSetType
1604
childMessageSet
type
MessageSetType
0..∞
1600
messageSet
type
MessageSetType
Message set

FIG. 16

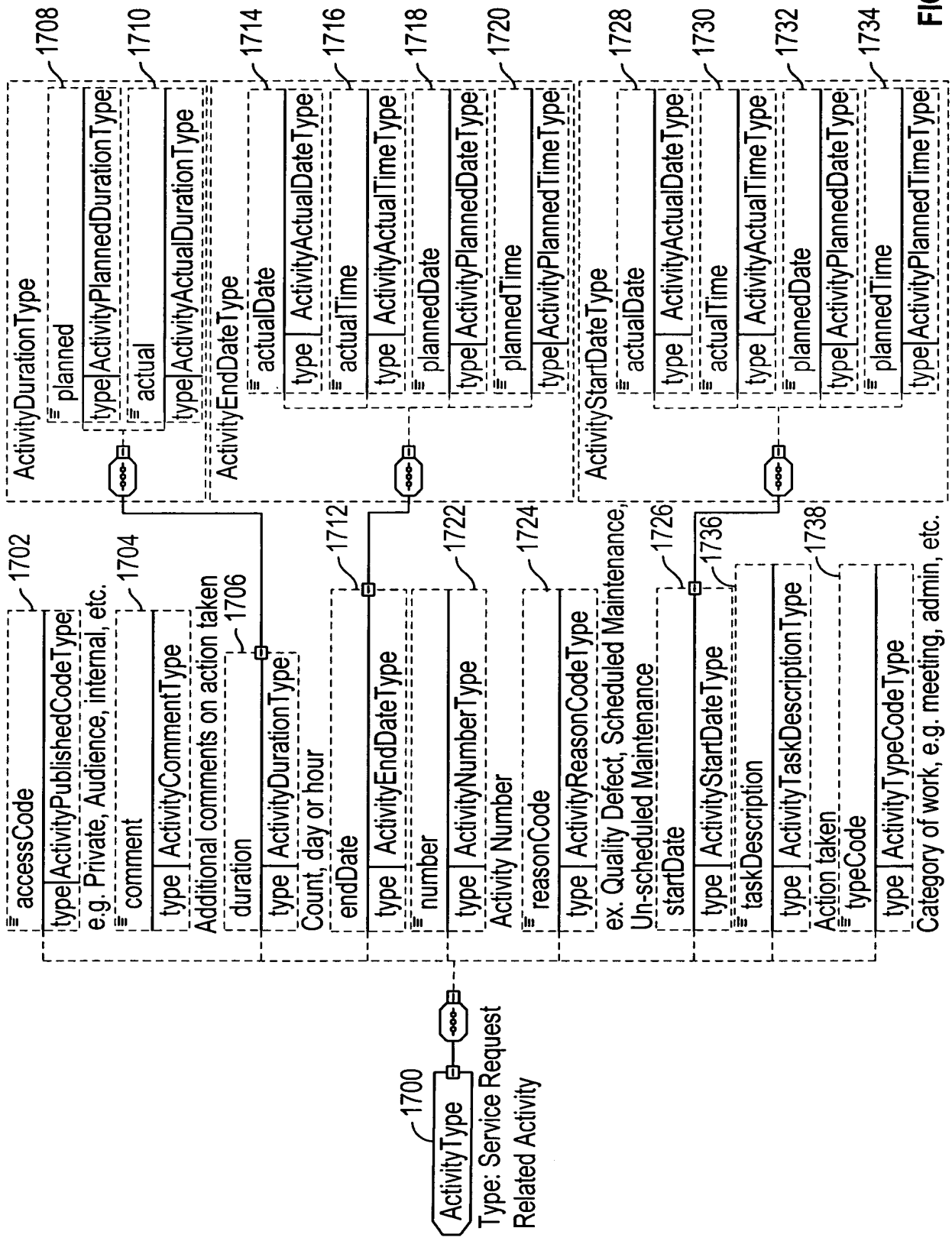
ActivityType
Type: Service Request
Related Activity
1700
accessCode
1702
type | ActivityPublishedCodeType
e.g. Private, Audience, internal, etc.
comment
1704
type | ActivityCommentType
Additional comments on action taken
duration
1706
type | ActivityDurationType
Count, day or hour
endDate
1712
type | ActivityEndDateType
number
1722
type | ActivityNumberType
Activity Number
reasonCode
1724
type | ActivityReasonCodeType
ex. Quality Defect, Scheduled Maintenance, Un-scheduled Maintenance
startDate
1726
1736
type | ActivityStartDateType
taskDescription
type | ActivityTaskDescriptionType
Action taken
typeCode
1738
type | ActivityTypeCodeType
Category of work, e.g. meeting, admin, etc.
ActivityDurationType
1708
planned
type | ActivityPlannedDurationType
1710
actual
type | ActivityActualDurationType
ActivityEndDateType
1714
actualDate
type | ActivityActualDateType
1716
actualTime
type | ActivityActualTimeType
1718
plannedDate
type | ActivityPlannedDateType
1720
plannedTime
type | ActivityPlannedTimeType
ActivityStartDateType
1728
actualDate
type | ActivityActualDateType
1730
actualTime
type | ActivityActualTimeType
1732
plannedDate
type | ActivityPlannedDateType
1734
plannedTime
type | ActivityPlannedTimeType

FIG. 17

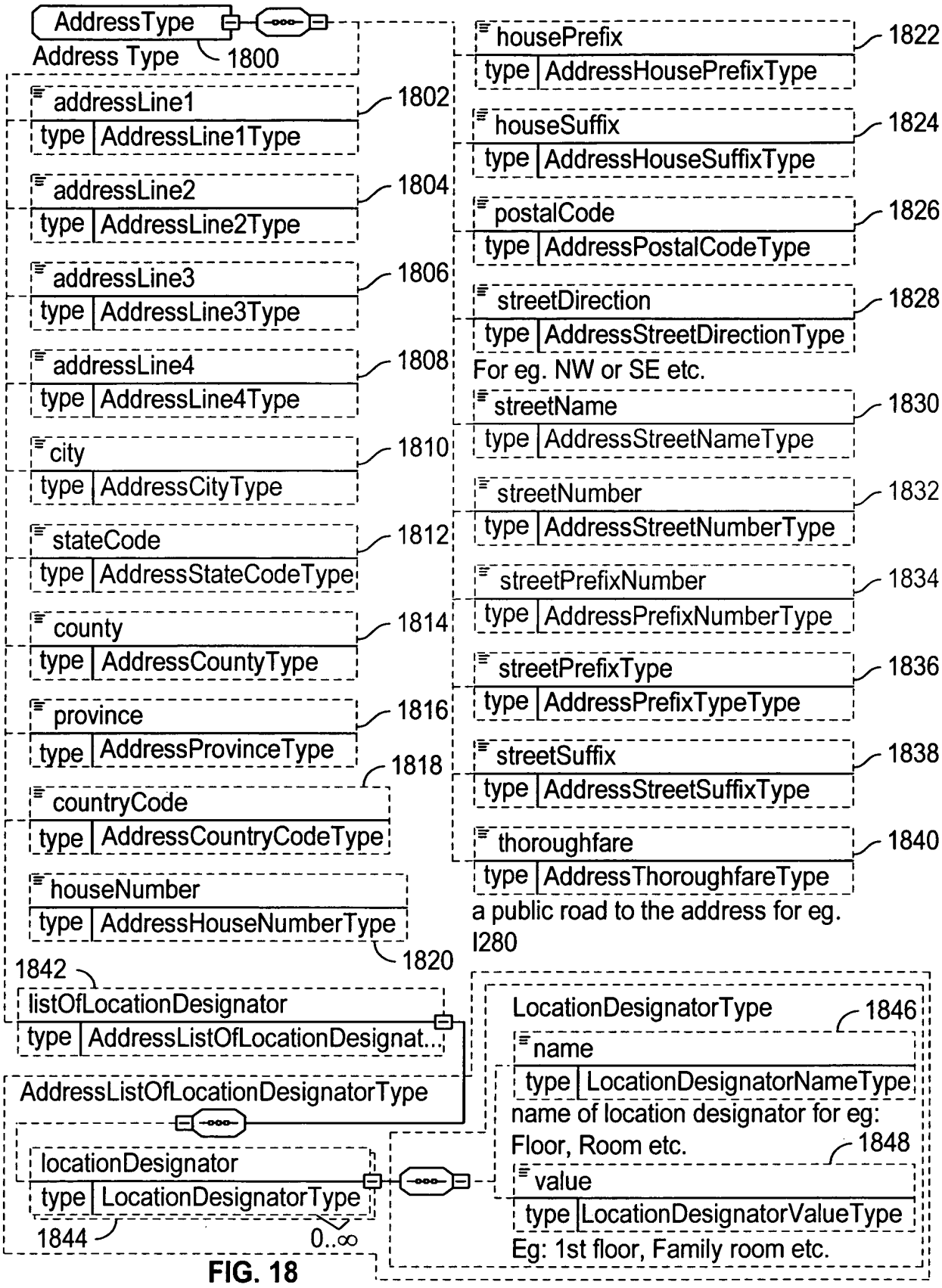
AddressType
Address Type
1800
addressLine1
type AddressLine1Type
1802
addressLine2
type AddressLine2Type
1804
addressLine3
type AddressLine3Type
1806
addressLine4
type AddressLine4Type
1808
city
type AddressCityType
1810
stateCode
type AddressStateCodeType
1812
county
type AddressCountyType
1814
province
type AddressProvinceType
1816
countryCode
type AddressCountryCodeType
1818
houseNumber
type AddressHouseNumberType
1820
housePrefix
type AddressHousePrefixType
1822
houseSuffix
type AddressHouseSuffixType
1824
postalCode
type AddressPostalCodeType
1826
streetDirection
type AddressStreetDirectionType
For eg. NW or SE etc.
1828
streetName
type AddressStreetNameType
1830
streetNumber
type AddressStreetNumberType
1832
streetPrefixNumber
type AddressPrefixNumberType
1834
streetPrefixType
type AddressPrefixTypeType
1836
streetSuffix
type AddressStreetSuffixType
1838
thoroughfare
type AddressThoroughfareType
a public road to the address for eg. I280
1840
1842
listOfLocationDesignator
type AddressListOfLocationDesignat...
AddressListOfLocationDesignatorType
locationDesignator
type LocationDesignatorType
1844
0..∞
LocationDesignatorType
1846
name
type LocationDesignatorNameType
name of location designator for eg: Floor, Room etc.
1848
value
type LocationDesignatorValueType
Eg: 1st floor, Family room etc.

FIG. 18

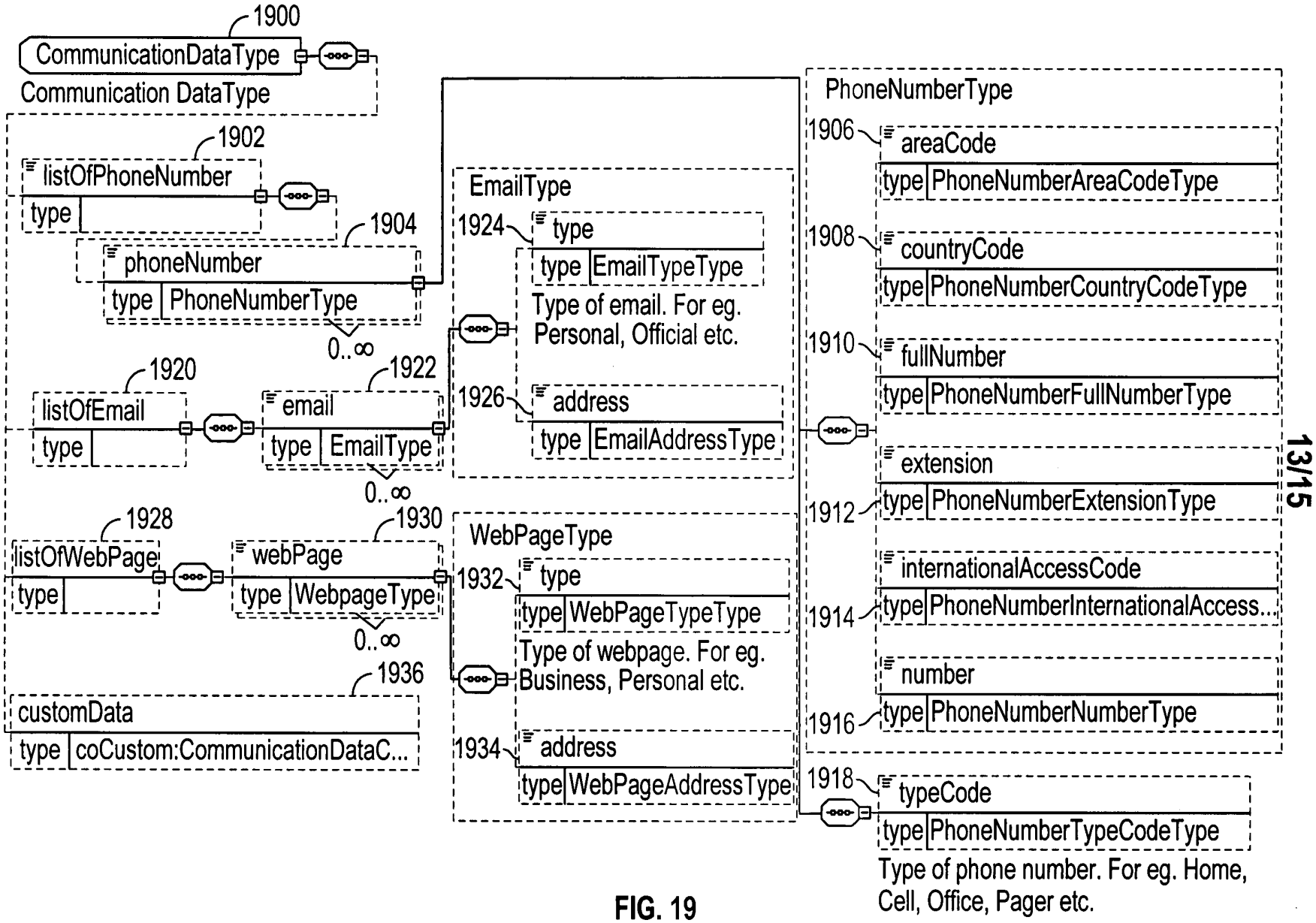
1900
CommunicationDataType
Communication DataType
1902
listOfPhoneNumber
type
1904
phoneNumber
type PhoneNumberType
0..∞
1920
listOfEmail
type
1922
email
type EmailType
0..∞
1928
listOfWebPage
type
1930
webPage
type WebpageType
0..∞
1936
customData
type coCustom:CommunicationDataC...
EmailType
1924
type
type EmailTypeType
Type of email. For eg. Personal, Official etc.
1926
address
type EmailAddressType
WebPageType
1932
type
type WebPageTypeType
Type of webpage. For eg. Business, Personal etc.
1934
address
type WebPageAddressType
PhoneNumberType
1906
areaCode
type PhoneNumberAreaCodeType
1908
countryCode
type PhoneNumberCountryCodeType
1910
fullNumber
type PhoneNumberFullNumberType
extension
type PhoneNumberExtensionType
1912
internationalAccessCode
type PhoneNumberInternationalAccess...
1914
number
type PhoneNumberNumberType
1916
1918
typeCode
type PhoneNumberTypeCodeType
Type of phone number. For eg. Home, Cell, Office, Pager etc.

FIG. 19

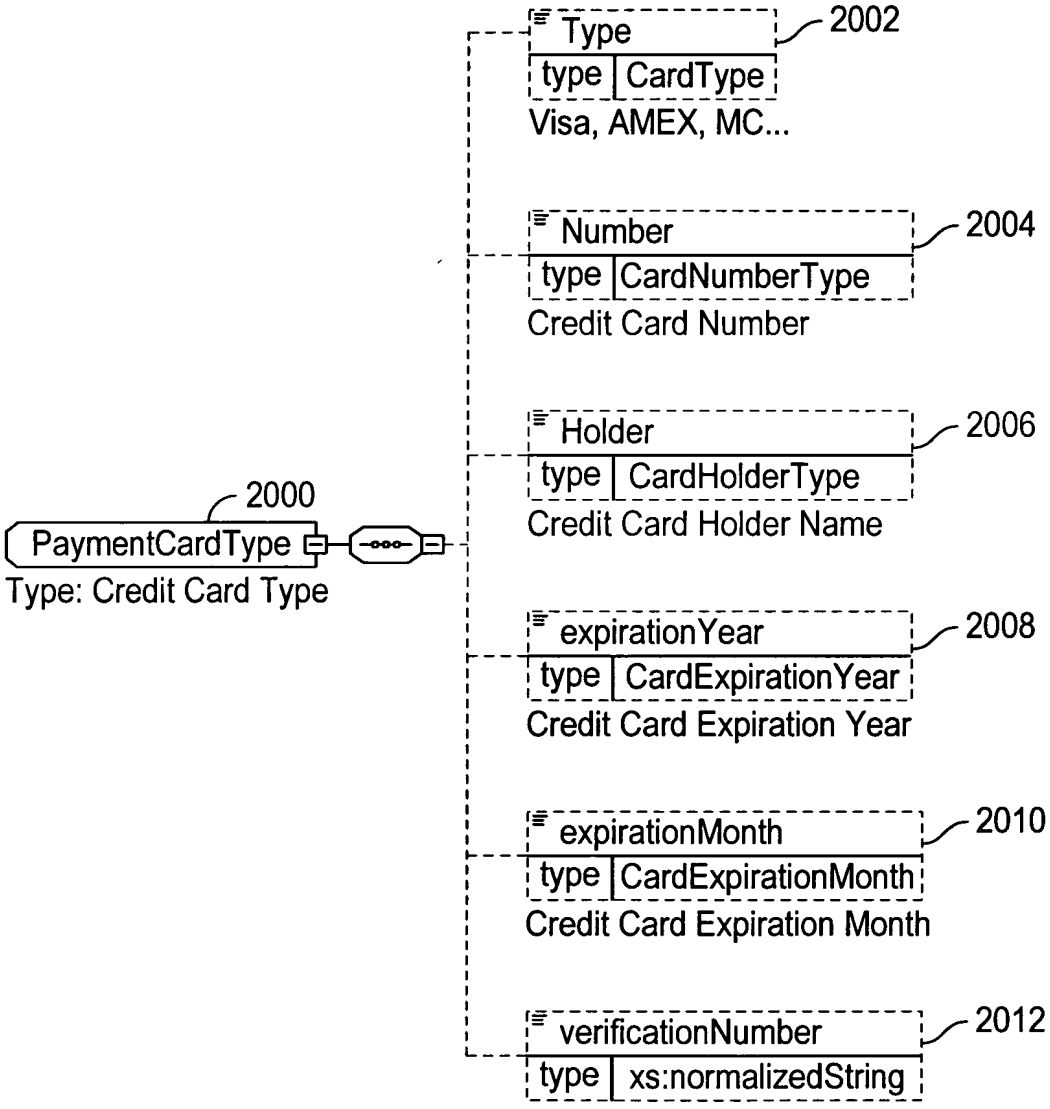
2000
PaymentCardType
Type: Credit Card Type
Type
type | CardType
Visa, AMEX, MC...
2002
Number
type | CardNumberType
Credit Card Number
2004
Holder
type | CardHolderType
Credit Card Holder Name
2006
expirationYear
type | CardExpirationYear
Credit Card Expiration Year
2008
expirationMonth
type | CardExpirationMonth
Credit Card Expiration Month
2010
verificationNumber
type | xs:normalizedString
2012

FIG. 20

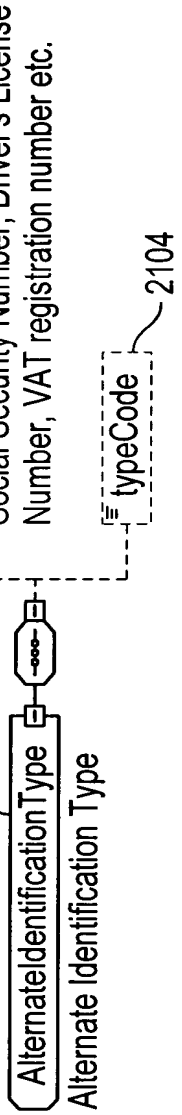
2102
id
Social Security Number, Driver's License Number, VAT registration number etc.
2104
typeCode
2100
AlternateIdentificationType
Alternate Identification Type

FIG. 21

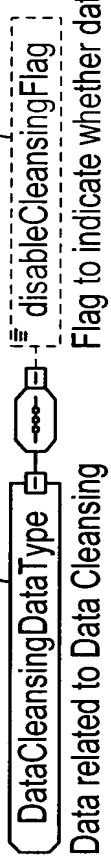
2202
disableCleansingFlag
Flag to indicate whether data cleansing should be disabled
2200
DataCleansingDataType
Data related to Data Cleansing

FIG. 22